**Contact Information:**

Date: February 2, 2022  
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**Standard Plans:**

Index Number: 102-602  
Sheet Number(s): 1 and 2 of 2  
Index Title: Two-Lane and Multilane, Work on Shoulder

**Summary of the changes:**

Sheet 1: Changed "Notes" To "General Notes"; Added General Note 10 "Shadow Vehicle required..."

Sheet 2: Added Shadow Vehicle, Attenuator and Buffer dimension to the MULTILANE ROADWAY -SHOULDER WORK BETWEEN 2’ AND 15’ FROM THE TRAVELED WAY detail; Added the Shadow Vehicle and Attenuator to the Symbols

**Commentary / Background:**

Shadow vehicles were added to the high-speed details for TMAs to be included in the TTCP. A new note was added for the Engineer to omit the TMA if it is not feasible to have one in the site specific work zone.

**Other Affected Offices / Documents:** (Provide name of person contacted)

Yes ☑  No ☐  
☐ Other Standard Plans –
☑ FDOT Design Manual –
☑ Basis of Estimates Manual –
☑ Standard Specifications –
☑ Approved Product List –
☑ Construction –
☑ Maintenance –

**Origination Package Includes:**

(Email or hand deliver package to Rick Jenkins)

Yes ☑  N/A ☐
☐ Redline Mark-ups
☑ Proposed Standard Plan Instruction (SPI)
☑ Revised SPI
☑ Other Support Documents

**Implementation:**

☐ Design Bulletin (Interim)  
☐ DCE Memo  
☐ Program Mgmt. Bulletin  
☑ FY-Standard Plans (Next Release)

Contact the Roadway Design Office for assistance in completing this form  
Email to: Rick Jenkins rick.jenkins@dot.state.fl.us and Darren Martin darren.martin@dot.state.fl.us
REFERENCES:

2. L = Taper Length
   X = Work Zone Sign Spacing
   B = Buffer Length
See Index 102-600 (or "L", "X", "B", and channelizing device spacing values).

3. Where work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.

4. When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and egress.

5. For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.

6. The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.

7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.

8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.

9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

ADDED NOTE 10: Shadow Vehicle required...

11/01/22
DESCRIPTION:

REVISED STANDARD PLANS

FY 2022-23

TWO-LANE AND MULTILANE, WORK ON SHOULDER

INDEX 102-602

DESCRIPTION:

REVISED STANDARD PLANS

FY 2022-23

TWO-LANE AND MULTILANE, WORK ON SHOULDER

INDEX 102-602

REVISED STANDARD PLANS

FY 2022-23

TWO-LANE AND MULTILANE, WORK ON SHOULDER

INDEX 102-602
GENERAL NOTES:

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work on the shoulder.

2. L = Taper Length
   X = Work Zone Sign Spacing
   B = Buffer Length
   See Index 102-600 for "L", "X", "B", and channelizing device spacing values.

3. Where work activities are between 2’ and 15’ from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.

4. When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and egress.

5. For work less than 2’ from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.

6. The “Speeding Fines Doubled When Workers Present” signs (MOT-13-06) and “End Road Work” signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.

7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.

8. Omit “Shoulder Closed” sign (W21-5a) along with associated work zone sign spacing distances for work on the median.

9. When there is no paved shoulder, the “Barrier” sign (W21-7) may be used instead of the “Shoulder Closed” sign (W21-5a).

10. A shadow vehicle is required for multilane roadways with a work zone speed greater than 45 MPH. The Engineer may omit the shadow vehicle where it is not feasible.

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic

TWO-LANE ROADWAY

SHOULDER WORK LESS THAN 2’ FROM THE TRAVELED WAY

WITH WORK ZONE SPEED OF 45 MPH OR LESS

TWO-LANE ROADWAY

SHOULDER WORK BETWEEN 2’ AND 15’ FROM THE TRAVELED WAY
MULTILANE ROADWAY

SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS

MULTILANE ROADWAY

SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

SYMBOLS:
- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic
- Truck/Trailer Mounted Attenuator (TMA)
- Shadow (S) Vehicle With Warning Lights
- And Arrow Board

ROAD WORK AHEAD

W20-1F

W21-5a

(See General Note 8)

W20-1F

(See General Note 8)

END ROAD WORK

(See General Note 6)

(See General Note 6)

MOT-13-06

Note 6

W21-5a

Note 8

SYMBOLS:
- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic
- Truck/Trailer Mounted Attenuator (TMA)
- Shadow (S) Vehicle With Warning Lights
- And Arrow Board

END ROAD WORK

(See General Note 6)

G20-3

(See General Note 6)

Caution

W20-1F

(See General Note 6)

W21-5a

Note 8

Note 6

Note 6

Note 6

Note 6

W20-1F

(See General Note 8)

(See General Note 6)

(See General Note 6)